

**REPAIR AND RECLAMATION**

**(C-130E)**

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- 1. Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower required to accomplish the tasks described in the work center description for varying levels of workload volume.
  - 2. Authority.** The AFI 21-series of Air Force (AF) and/or Air National Guard (ANG) directives contain US Air Force and Command policy and procedural guidance for the Repair and Reclamation work center. This manpower standard was developed using the functional review process under procedures outlined in AFPAM 38-208V1, *Air Force Management Engineering Program (ME)) Processes*, formerly AFR 25-5.
  - 3. Applicability.** This standard applies to all Air National Guard C-130E airlift units except the 109th and 189th Airlift Groups and the 193rd Special Operations Group. This standard only applies to peacetime operations.
  - 4. Standard Data:**
    - a. Classification. Type II.
    - b. Approval Date. 9 July 1992.
    - c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
    - d. Standard Man-hour Equation.  $Y = 138.2 + 0.3328X$ .
    - e. Workload Factor:
      - (1). Title. A C-130E Programmed Flying Hour.
      - (2). Definition. The average monthly programmed flying hours.
      - (3). Source. USAF Program Document, Volume II, maintained by NGB/FM.
  - 5. Application Instructions:**
    - a. The valid man-hour range for this ANGMS is 173.41 through 298.12.
    - b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
    - c. Refer to the appropriate column in the standard manpower table at attachment 2 to determine the skill distribution.
    - d. Should the extrapolation limits be exceeded, see AFI 38-201, *Determining Manpower Requirements*, for guidance.
  - 6. Statement of Conditions:**
    - a. There were no general conditions (environmental, equipment, or facility) which had an impact on the development or application of this manpower standard.
    - b. There were no approved enhancements that impacted the man-hour equation for this work center.

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**2 Attachments**  
**1. Work Center Description**  
**2. Standard Manpower Table**

**WORK CENTER DESCRIPTION****Repair and Reclamation  
(C-130E)****DIRECT:****1. ON-EQUIPMENT MAINTENANCE:**

**1.1. MAINTAINS AIRCRAFT AIRFRAME MECHANICAL SYSTEM AND COMPONENT.** Inspects, troubleshoots, and repairs airframe system and component.

**1.1.1. PERFORMS MAINTENANCE ON AIRCRAFT AIRFRAME COMPONENT.**

**1.1.2. PERFORMS MAINTENANCE ON COCKPIT FUSELAGE COMPARTMENT COMPONENT.**

**1.1.3. PERFORMS MAINTENANCE ON LANDING GEAR COMPONENT.**

**1.1.4. PERFORMS MAINTENANCE ON FLIGHT CONTROL COMPONENT.**

**1.1.5. PERFORMS MAINTENANCE ON TURBO PROP POWER PLANT SYSTEM.**

**1.1.6. RIGS GROUND TEST VALVE.**

**1.2. PERFORMS INSPECTION.** Performs special and scheduled aircraft inspection.

**1.2.1. PERFORMS LOOK PHASE OF SCHEDULED INSPECTION.**

**1.2.2. PERFORMS SPECIAL INSPECTION.**

**2. OFF-EQUIPMENT MAINTENANCE:**

**2.1. PERFORMS MAINTENANCE ON AIRCRAFT AIRFRAME COMPONENT.**

**2.2. PERFORMS MAINTENANCE ON AIRCRAFT WHEEL AND TIRE ASSEMBLY.**

**2.3. PERFORMS MAINTENANCE ON FLIGHT CONTROL COMPONENT.**

**3. SHOP SUPPORT GENERAL CODE.** Performs wheel and tire build-up or tear down.

**4. TIME COMPLIANCE TECHNICAL ORDER (TCTO).** Performs maintenance required on/off the aircraft in accordance with applicable TCTO and completes documentation.

**5. GROUND HANDLING, SERVICING, AND RELATED TASK.** Performs ground handling, servicing, and related task.

**6. CRASH RECOVERY CAPABILITY.** Maintains crash recovery capability to ensure the timely recovery and disposition of the governmental asset.

**7. ASSISTANCE.** Assists other Maintenance function in the performance of direct labor maintenance requirement to ensure the effective utilization of maintenance personnel.

**8. AEROSPACE GROUND EQUIPMENT/SHOP INDUSTRIAL EQUIPMENT.** Repairs equipment.

**9. AIRCRAFT CLEANING.** Performs aircraft vacuuming, wiping, polishing, cleaning and treating of equipment to prevent corrosion.

**10. UNIT TRAINING ASSEMBLY (UTA), MOBILITY REQUIREMENT, AND BATTLE DAMAGE PROGRAM.** Performs planning and scheduling tasks associated with preparation for UTA weekend, mobility requirement, and Battle Damage Program.

**INDIRECT:** Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are Supervision, Administration, Meeting, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE										
WORK CENTER/FAC				APPLICABILITY MAN-HOUR RANGE						
Repair and Reclamation/23310E (C-130E)				173.41 - 298.12						
AIR FORCE SPECIALTY TTITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
Aircraft	452XX	Civ	1							
Airlift Acft Maint	457X2	Civ	1							
TOTAL			2							
AIR FORCE SPECIALTY TTITLE	AFSC	GRADE	MANPOWER REQUIREMENT							
TOTAL										

AF FORM 1113, Jun 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.